



COMMONWEALTH of VIRGINIA
DEPARTMENT OF FORENSIC SCIENCE

CENTRAL LABORATORY
A Nationally Accredited Laboratory

700 NORTH 5TH STREET
RICHMOND, VIRGINIA 23219
(804) 786-6971

CERTIFICATE OF INSTRUMENT ACCURACY

INSTRUMENT: Intox EC/IR II
SERIAL NUMBER: 010585
CERTIFICATION DATE: August 21, 2013
DATE RECERTIFICATION DUE: February 17, 2014

The above listed instrument was found to meet all requirements for accuracy and performance established by the Department of Forensic Science. This certification is valid from the above listed certification date until the above listed date for recertification.

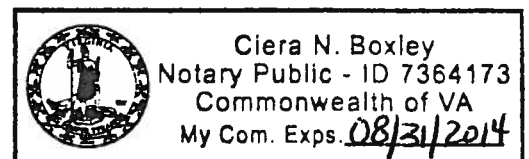
Melissa Kennedy
Section Supervisor, Breath Alcohol

CITY OF RICHMOND
COMMONWEALTH OF VIRGINIA

The foregoing was acknowledged before me this 3rd day of
September, 2013 by Melissa Kennedy

Ciera N. Boxley, Notary Public

My commission expires: August 31, 2014



Sub

DBH
NHL

**Department of Forensic Science
Breath Alcohol Section
Instrument Maintenance History
1/1/1990 To 8/22/2013**

Instrument Serial Number: 010585	As of 22-Aug-13
---	------------------------

Maintenance Date	Certification Date	Technician Initials	Remarks
21-Aug-13	21-Aug-13	DBH (21250)	CERTIFIED. REPLACED DRY GAS STANDARD.
15-Jul-13	15-Jul-13	DBH (21250)	FIRMWARE/SOFTWARE UPGRADE. CALIBRATED AND CERTIFIED.
08-Mar-13	08-Mar-13	MMB (26417)	CERTIFIED.
20-Nov-12	20-Nov-12	DBH (21250)	MOVED INSTRUMENT TO NEW LOCATION WITHIN SAME BUILDING. FIRMWARE/SOFTWARE UPGRADE. CALIBRATED AND CERTIFIED.
19-Sep-12	19-Sep-12	DBH (21250)	CERTIFIED, REPLACED DRY GAS STANDARD.
09-Apr-12	09-Apr-12	HMS (18910)	CERTIFIED
03-Nov-11	03-Nov-11	TLN (25387)	CALIBRATED AND CERTIFIED. REPLACED DRY GAS STANDARD.
24-May-11	24-May-11	DBH (21250)	CERTIFIED
08-Dec-10	08-Dec-10	DBH (21250)	REPLACED DRY GAS STANDARD, CERTIFIED
29-Jun-10	29-Jun-10	RJP (22428)	CERTIFIED
07-Jan-10	07-Jan-10	DBH (21250)	REPLACED DRY GAS STANDARD, CERTIFIED
19-Aug-09	19-Aug-09	DBH (21250)	MOVED INSTRUMENT TO NEW LOCATION, CERTIFIED.
30-Jul-09	30-Jul-09	DBH (21250)	CERTIFIED.
06-Mar-09	06-Mar-09	NMJ (22392)	CERTIFIED.
04-Mar-09	04-Mar-09	NMJ (22392)	FIRMWARE/SOFTWARE UPGRADE, CERTIFIED.
04-Feb-09	04-Feb-09	NMJ (22392)	CALIBRATED, CERTIFIED AND ACCEPTED.

DBH
Wsk

INTOX EC/IR II Quality Assurance Worksheet

Instrument Serial Number 010585 Worksheet Start Date 8/21/2013

Location Colonial Beach PD

Address 907 McKinney Blvd Colonial Beach VA 22443

DFS Technician Donald Hall License No. 21250

☐ Laboratory ☒ On-Site

Site Specifications

	Yes	No
1 Secured Environment: Location must not be accessible to the general public.	<input checked="" type="checkbox"/>	<input type="checkbox"/>
2 Environment free from contaminants	<input checked="" type="checkbox"/>	<input type="checkbox"/>
3 Dedicated telephone line: The phone line should be used solely by the instrument.	<input checked="" type="checkbox"/>	<input type="checkbox"/>
4 Adequate Ventilation: Enough space must be provided for the instrument and the printer to allow for adequate ventilation.	<input checked="" type="checkbox"/>	<input type="checkbox"/>
5 Stable temperature controls: The instrument should not be exposed to direct sources of temperature variation.	<input checked="" type="checkbox"/>	<input type="checkbox"/>
6 115VAC power source: Whenever possible instrument power circuit should not be shared with refrigerators, copy machines or other high amperage devices.	<input checked="" type="checkbox"/>	<input type="checkbox"/>
7 Room Condition: The site should be free of excessive moisture, heat and dust.	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Old serial no.	New serial no.	Supplies	
E-Seek		Mouthpieces	
Keyboard		Certificates of Analysis	50
Printer		Operator Worksheet	50
UPS		Other:	

Maintenance (if any)

Comments (if any)

Instrument Serial Number 010585

Certification Date 8/21/2013

Instrument Barometer (mm HG) 764

Reference Barometer (mm HG) 766

Reference Barometer(RB)Serial # 009110

RB Calibration Due 5/30/2014

Standard (sea level)	PA Target	minimum	maximum	Sample 1	
0.250	0.251	0.243	0.258	Sample 2	0.249
Precision		sample min	sample max	Sample 3	0.248
0.002		0.248	0.250		

Standard (sea level)	PA Target	minimum	maximum	Sample 1	
0.150	0.151	0.146	0.155	Sample 2	0.150
Precision		sample min	sample max	Sample 3	0.150
0.001		0.150	0.151		

Standard (sea level)	PA Target	minimum	maximum	Sample 1	
0.080	0.080	0.077	0.083	Sample 2	0.080
Precision		sample min	sample max	Sample 3	0.080
0		0.080	0.080		

Standard (sea level)	PA Target	minimum	maximum	Sample 1	
0.020	0.020	0.017	0.023	Sample 2	0.019
Precision		sample min	sample max	Sample 3	0.019
0		0.019	0.019		

all measurements are in g/210L

Estimation of Uncertainty of Measurement and traceability records are located within the Breath Alcohol Section

☐ Calibrated☒ Certified☒ Replaced dry gas standard (+O-ring)

Dry gas standard Lot No. (with tank no.)

AG211702-04

☒ Measurement Assurance Check☒ Run a Breath Test (Instrument Test)

(successful completion denotes satisfactory condition of the item)

Standard (sea level)	PA Target	minimum	maximum	Sample 1	
0.100	0.101	0.097	0.104	Sample 2	0.101
Precision		sample min	sample max	Sample 3	0.101
0		0.101	0.101		

DFS Technician



Date

8/22/13

Issuing Analyst



Date

8/27/13

Intox EC/IR II QA Worksheet

Issued by Calibration and Training Program Manager

Issue Date: 4-March-2013

DFS Document 250-F113

Revision 6

Page 2 of 2

Intox EC/IR-II: Certification

DBH
msk

Department of Forensic Science

Serial Number: 010585 Test Number: 344
Test Date: 08/21/2013 Test Time: 11:47 EDT

Technician Initials: DBH

Dry Gas Target: 0.251

Lot Number: 2961225012-10 Exp Date: 11/01/2014

Tank Pressure: 443 psi Barometric Pressure: 764 mmHg

System Check: Passed

Test	g/210L	Time
DIAG	Pass	11:48
BLK	0.000	11:49
CHK	0.250	11:49
BLK	0.000	11:50
CHK	0.249	11:51
BLK	0.000	11:53
CHK	0.248	11:54
BLK	0.000	11:55

Success

Standard Value (at sea level): 0.250 g/210L

Certification Status: Continued

DBH
push

Intox EC/1R-11: Certification

Department of Forensic Science

Serial Number: 010585 Test Number: 345
Test Date: 08/21/2013 Test Time: 11:58 EDT

Technician Initials: DBH
Dry Gas Target: 0.151

Lot Number: 0651215014-07 Exp Date: 04/01/2014
Tank Pressure: 193 psi Barometric Pressure: 764 mmHg
System Check: Passed

Test	g/210L	Time
DIAG	Pass	11:58
BLK	0.000	11:59
CHK	0.151	11:59
BLK	0.000	12:01
CHK	0.150	12:01
BLK	0.000	12:03
CHK	0.150	12:03
BLK	0.000	12:05

Success

Standard Value (at sea level): 0.150 g/210L

Certification Status: Continued

Intox EC/1R-11: Certification

NDK

Department of Forensic Science

Serial Number: 010585 Test Number: 346

Test Date: 08/21/2013 Test Time: 12:07 EDT

Technician Initials: DBH

Dry Gas Target: 0.080

Lot Number: 0651208012-03 Exp Date: 04/01/2014

Tank Pressure: 404 psi Barometric Pressure: 764 mmHg

System Check: Passed

Test	g/210L	Time
DIAG	Pass	12:08
BLK	0.000	12:08
CHK	0.080	12:09
BLK	0.000	12:10
CHK	0.080	12:11
BLK	0.000	12:12
CHK	0.080	12:13
BLK	0.000	12:14

Success

Standard Value (at sea level): 0.080 g/210L

Certification Status: Continued

Intox EC/IR-11: Certification

Department of Forensic Science

Serial Number: 010585 Test Number: 347

Test Date: 08/21/2013 Test Time: 12:16 EDT

Technician Initials: DBH

Dry Gas Target: 0.020

Lot Number: 0651202011-05 Exp Date: 04/01/2014

Tank Pressure: 286 psi Barometric Pressure: 764 mmHg

System Check: Passed

Test	g/210L	Time
DIAG	Pass	12:17
BLK	0.000	12:18
CHK	0.019	12:18
BLK	0.000	12:19
CHK	0.019	12:20
BLK	0.000	12:21
CHK	0.019	12:22
BLK	0.000	12:23

Success

Standard Value (at sea level): 0.020 g/210L

Certification Status: Success

Ndh

Intox EC/IR-II: Accuracy Check*Department of Forensic Science*

Serial Number: 010585 Test Number: 348

Test Date: 08/21/2013 Test Time: 12:27 EDT

Dry Gas Target: 0.251

Lot Number: AG205404-03 Exp Date: 02/23/2014

Tank Pressure: 227 psi Barometric Pressure: 764 mmHg

System Check: *Passed*

Test	g/210L	Time
BLK	0.000	12:28
CHK	0.254	12:29
BLK	0.000	12:30
CHK	0.253	12:31
BLK	0.000	12:32
CHK	0.253	12:33

Test Status: *Success*

Calibration CRC: 44D5EEFD

DBH

ndk

Intox EC/IR-11: Accuracy Check

Department of Forensic Science

Serial Number: 010585 Test Number: 349

Test Date: 08/21/2013 Test Time: 12:37 EDT

Dry Gas Target: 0.101

Lot Number: AG211702-04 Exp Date: 04/26/2014

Tank Pressure: 291 psi Barometric Pressure: 764 mmHg

System Check: *Passed*

Test	g/210L	Time
BLK	0.000	12:37
CHK	0.101	12:38
BLK	0.000	12:40
CHK	0.101	12:40
BLK	0.000	12:42
CHK	0.101	12:43

Test Status: *Success*

Calibration CRC: 44D5EEFD




COMMONWEALTH OF VIRGINIA
DEPARTMENT OF FORENSIC SCIENCE

CERTIFICATE OF BLOOD ALCOHOL ANALYSIS
AS DETERMINED BY A CHEMICAL TEST OF THE ACCUSED'S BREATH

NAME OF ACCUSED INSTRUMENT, TEST,	NAME OF COURT DFS
--------------------------------------	----------------------

BREATH ANALYSIS

SAMPLE EXAMINED AND TEST CONDUCTED BY HALL, DONALD, B		AGENCY DFS Central Lab
DFS LICENSE NUMBER 21250	LICENSE EXPIRES 10/01/2014	DATE TEST CONDUCTED 08/21/2013
TEST EQUIPMENT NUMBER 010585		

12:52 EDT

RESULTS: TIME SAMPLE TAKEN _____
0.00

SAMPLE'S ALCOHOL CONTENT _____ GRAMS PER 210 LITERS OF BREATH

ATTEST:

I CERTIFY THAT THE ABOVE IS AN ACCURATE RECORD OF THE TEST CONDUCTED; THAT THE TEST WAS CONDUCTED WITH THE TYPE OF EQUIPMENT AND IN ACCORDANCE WITH THE METHODS APPROVED BY THE DEPARTMENT OF FORENSIC SCIENCE; THAT THE TEST WAS CONDUCTED IN ACCORDANCE WITH THE DEPARTMENT'S SPECIFICATIONS; THAT PRIOR TO ADMINISTRATION OF THE TEST THE ACCUSED WAS ADVISED OF HIS RIGHT TO OBSERVE THE PROCESS AND SEE THE BLOOD ALCOHOL READING ON THE EQUIPMENT USED TO PERFORM THE BREATH TEST, AND THAT I POSSESS A VALID LICENSE TO CONDUCT SUCH TEST, GIVEN UNDER MY HAND THIS _____ DAY OF _____, 20_____.

BREATH TEST OPERATOR

☐ I HAVE RECEIVED A COPY OF THIS CERTIFICATE OF ANALYSIS _____
SUBJECT'S SIGNATURE

☐ SUBJECT REFUSED TO SIGN FOR COPY OF CERTIFICATE OF ANALYSIS _____
OPERATOR'S SIGNATURE



IntoxNet MIS Report

Report Generated 22 Aug 2013 at 09:26

DBA

WHL

Test Results

Instrument Serial Number 010585

Test # 000350 Subject Test

Test Location 1 Department of

Test Date 21 Aug 2013

Test Location 2 Forensic Science

Test Time 12:45

Remote/Local Local

Test Location 3

System Check Passed

Operator's Last Name HALL

Agency DFS Central Lab

Card Serial Number 121250

Subject's Last Name INSTRUMENT

Subject's Middle Initial

Driver's License Number

Driver's License State

Operator's First Name DONALD

Effective Date 10/01/2012

Subject's Date of Birth 00/00/0000

Subject's First Name TEST

Driver's License Expiration 00/00/0000

Court Name DFS

Operator's Middle Initial B

License Number 21250

Expiration Date 10/01/2014

Subject's Sex Male

End Date 21 Aug 2013 End Time 12:53

Result Time 12:52

Result Date 21 Aug 2013 Result 0.00

Data Type DIAG

Sample Value Pass

Sample Time 12:46

Data Type BLK

Sample Value 0.000

Sample Time 12:46

Data Type CHK

Sample Value 0.101

Sample Time 12:47

Data Type BLK

Sample Value 0.000

Sample Time 12:49

Data Type SUBJ

Sample Value 0.000

Sample Time 12:49

Data Type BLK

Sample Value 0.000

Sample Time 12:50

Data Type SUBJ

Sample Value 0.000

Sample Time 12:52

Data Type BLK

Sample Value 0.000

Sample Time 12:53

Standard Type Dry Gas Std

Standard Value 0.101

Standard Lot Number AG211702-04

Standard Expiration Date 04/26/2014

Tank Pressure 286

Barometric Pressure 764 mmHg

Blow Sample Number 1 Blow Duration 3.39 sec

Blow Volume 1841 cc End-of-Blow Time 12:49

Blow Sample Number 2 Blow Duration 3.44 sec

Blow Volume 1788 cc End-of-Blow Time 12:52

Tamper Evident Stamp a2052650

Test Status Code 0

Test Status Success